

Mobilgard® M50

Medium-Speed Engine Oil

Product Description

Mobilgard M50 is a premium 50 TBN engine oil designed for use in the most severe residual-fueled medium-speed diesel applications. This diesel engine oil has been specially formulated to provide outstanding residual fuel compatibility characteristics for excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercrowns. It provides excellent high temperature oxidation and thermal stability, low volatility, load carrying properties and corrosion protection.

Benefits

Mobilgard M50 provides the following benefits when used as recommended:

- Virtually eliminates undercrown deposits
- Provides outstanding lube/fuel compatibility
- Maintains camshaft spaces and good crankcase condition
- Reduces piston ring belt deposits
- Excellent TBN retention resulting in protection against corrosion and providing long oil life
- Industry leading thermal and oxidation stability for long oil life and good oil consumption control
- Separates easily from water

Applications

Mobilgard M50 is especially recommended for use in the latest medium-speed engines designed with "flame-ring" cylinder liners operating on high sulfur fuels. In these engines significantly reduced oil life and drain intervals, due to severe TBN depletion, has been experienced as a result of very low lube oil consumption with conventional lube oils.

Mobilgard M50 is also recommended for topping up existing oil charges with a low TBN value to raise them to an acceptable value.

Properties

Mobilgard M50 provides excellent resistance to thermal degradation, and promotes a high level of engine cleanliness with protection against wear. It has good resistance to oxidation and viscosity increases over long operating periods. Relatively high alkalinity reserves in this oil provides superior protection in neutralizing the strong acids resulting from the use of high sulfur fuels that find access to the crankcase to promote oil degradation, ring, cylinder and bearing corrosion.

Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from your Mobil lubricants sales office, or via the Internet on www.mobil.com.

Typical Characteristics	Mobilgard M50
SAE No.	40
Specific Gravity @ 15°C	0.922
Flash Point, °C	228
Pour Point, °C	-12
Viscosity	
cSt, at 40°C	142
cSt, at 100°C	14.5
Total Base No., Min.	50
Sulfated Ash, % wt.	6.5

Typical physical characteristics of Mobilgard M50 are given in the table. These are intended as a guide to the industry and are not necessarily manufacturing or marketing specifications.

